LiDAR Robust LIA/B 010

Measurement, detection, warning … withstand!

LiDAR LIA/B 010

An amazing number of possibilities thanks to built-in LiDAR technology and software interface
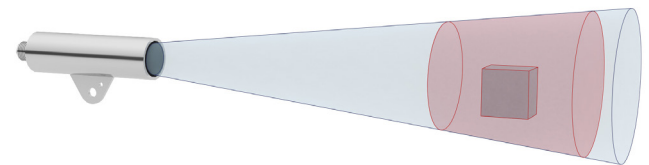
Powerful, User-friendly and Fair price

Proxitron sensors for the steel industry have always been robust and wear resistant; distinguishing themselves as maintenance-free. The new LIA 010 and LIB 010 fit this concept: they are real All-Around problem solvers in their functions and impress with a variety of possible applications, in known robust design. Whether for simple presence and object detection in a defined range of max 40 meters, and/or for distance measurement, in both cases our new LIA/B 010 are at ease. Although their performance compare to high priced laser systems, their price is like a light barrier.

This is made possible by the cutting-edge LiDAR technology and the built-in intelligent software for signal processing. It is designed for adverse conditions, such as steam, smoke, rain, snow or fog, and is used also to control self-driving vehicles.

The software

As to operating and parameterizing comfort, the new LIA/B 010 beat any other system. In the spirit of Industry 4.0 they are provided with an intuitive and simple software interface. The LIA/B 010 have two switching outputs and one analog signal. The switching outputs can be parameterized in relation to a defined active range so that the sensor monitors this area and switches within this distance window only.

A variety of parameters are actively processed and visualized from continuing operations. The system uses MODBUS RTU for communication and thus can be quickly integrated into existing bus systems.

Easy object detection!

Properties

· Distance range up to 40 m

· Programmable

· Two digital outputs, fully parameterizable

· Measurement and detection in defined areas

· Robust stainless steel housing

· Usable up to 200 °C with cooling

· Operating also with steam, smoke, rain, snow and fog

· Analog output 4 – 20 mA

· RS 485 interface (MODBUS RTU)

Applications

· Object detection

· Distance measurement

· Collision warning

· Bulk material control

Proxitron
SENSORS MADE IN GERMANY

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